STATUS OF INTERIM AND EXTRAPOLATION DATA FOR ALL GDP HEADINGS

5th Meeting of the ICP Inter-Agency Coordination Group

March 14-15, 2018
Washington, DC

International Comparison Program

Outline

- Summary of Interim Regional Activities
- Regional 2015/16 Data Submissions to Date
- Availability of 2016 Global Core List (GCL) Prices for Household Consumption (HHC)
- [Availability of Extrapolation Data]

Summary of Regional Activities

Region	Interim [Years]	2017 Cycle
Africa	**47** [2015-16]	50
Asia	**20** [2016]	22
CIS	**8** [2014]	8
LAC	-	34
Western Asia	**12** [2012-16]	14[2]
Eurostat-OECD	**47** [Annual]	51[3]
Dual participation[1]	(4)	(4)
Pacific Islands	-	Pending
Total	**130**	**175**

[1] Dual participation countries include Egypt, Morocco, Russia and Sudan

[2] Includes Iran, which will be linked through the Western Asia comparison

[3] Includes Georgia and Ukraine, which will be linked through the Eurostat comparison; and Costa Rica and Colombia

Data Coverage and Submission Status*

Region	Years	Coverage	Comments
Africa	2015-16	HHC	Usability of these data for PPP estimation yet to be determined
Asia	2016	GDP	2016 data submission pending
CIS	2014	GDP	Results linked to Eurostat-OECD comparison
Western Asia	2012-16	GDP	2012 + 2013 + preliminary 2016 data submitted for all GDP components
Eurostat-OECD	Annual	GDP*	Preliminary 2015 + 2016 data submitted for HHC component

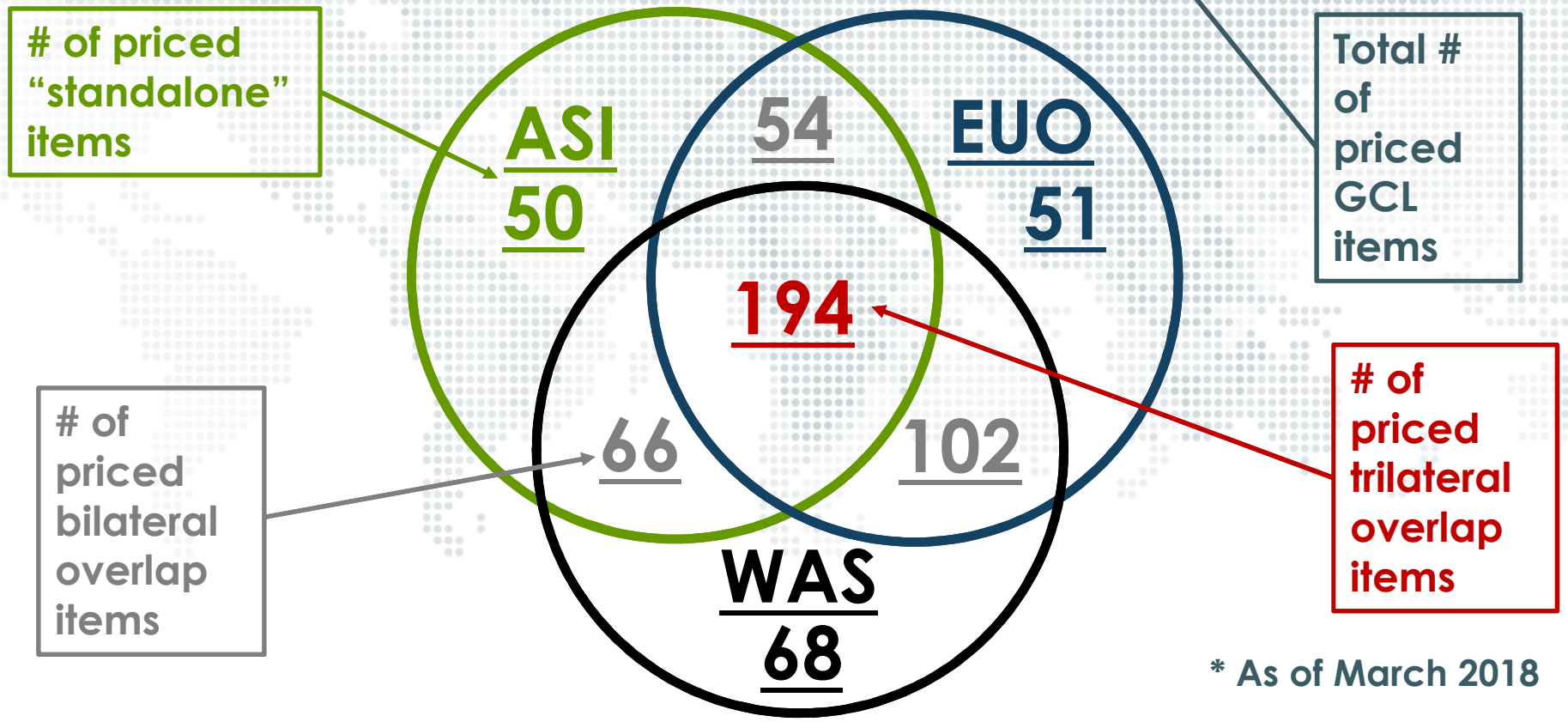
** Government (incl. priv. education) and construction requires additional considerations*

- All regions [incl. LAC] submitted national accounts aggregates and extrapolation indices for building PPP timeseries - country coverage and level of detail varies
- Preliminary 2017 data submission pending for all regions

*** As of March 2018**

2016*HHC GCL Item Availability and Overlap

FULL GCL	Priced GCL	ASI	EUO	WAS
608	585	364	401	430



* As of March 2018

Priced HHC GCL Items per BH/Region

2016 Regional HHC GCL Item Price Availability (as of March 2018)

BH Name	Item Name	ASI	EUO	WAS
Rice	Long-grain rice, parboiled, WKB	1	43	
	Long-grain rice, not parboiled, WKB	1	39	
	Basmati rice, WKB	1	44	12
	Medium-grain rice, BNR	10		
	Brown rice, family pack, BL	13		
	Short-grain rice, BNR	1		
	Sticky rice, WKB	11	34	
Other cereals, flour and other products	Cornflakes, KELLOGG'S	4	43	12
	Wheat flour, not self-rising, BL	18	42	12
	Wheat semolina (suji), WKB	2	40	12
	Oats, rolled, WKB		42	
	Corn (maize) flour, white, WKB	6		11
	Couscous, BNR	1	34	
Bread	Baguette, BNR		47	11
	Bread, white, small loaf, BNR	10	38	
	Bread, whole wheat, WKB	16	28	
	Roll, BNR	13	44	
	Bread, white, sliced, WKB	20	37	

Only 1 country pricing the item

Only 1 priced GCL item within the BH

Potentially Problematic Cases

BASIC HEADINGS WITHOUT TRILATERAL OVERLAP

- Water supply
- Major tools and equipment
- Household services
- Other services in respect of personal transport equipment
- Passenger transport by air

BASIC HEADINGS WITH "WEAK LINKS"

- Pharmaceutical products
- Jewelry, clocks and watches

GLOBAL ITEMS PRICED BY ONLY ONE COUNTRY WITHIN THE REGION

- Prices cannot be validated at the regional level

Extrapolation Data

- Requires detailed time-series data for expenditures, deflators, CPIs, population and market exchange rates
- Biannual submission schedule agreed at the 2nd IACG meeting
- Required for work of ICP Task Forces, incl. PPP time series approach

Extrapolation Data: Reporting

- Reporting responsibility, as agreed at the previous IACG meeting:

Region	# of Countries	Changes (w.r.t. 2011 ICP Round)
Africa	50	(+) Eritrea, Somalia, South Sudan (-) Egypt, Sudan, Morocco
Asia & the Pacific	22	(-) Macao
CIS	8	(-) Ukraine
Eurostat-OECD	50	(+) Colombia, Costa Rica, Ukraine, Georgia (-) Russia
LAC	39	(+) Argentina, Guyana (-) Colombia, Costa Rica, … [Cuba & Vzla. ?]
Western Asia	13	(+) Libya, Morocco (-) Yemen

Extrapolation Data: Submission Status

- Since our initial request, all six regions (AFR, ASI, CIS, EUO, LAC, WAS) have submitted extrapolation data

- More recently, some regions have been late in submitting extrapolation data

DATE OF LATEST EXTRAPOLATION DATA SUBMISSION

AFR	ASI	CIS	EUO	LAC	WAS
Oct. 2017	Mar. 2018	Feb/Mar. 2018	[*Continuous*]	Nov. 2016	Sep. 2015

Extrapolation Data: General Assessment

- Better coverage of CPI data than EXP or DEF data
- Better coverage of CPI, EXP, DEF data for 2011-16, than 2005-11
- **DEF-GDP:** generally complete across all countries and over time; some (ASI and CAR) only report series for half of their countries, with no improvements over time
- **DEF-GDP (main aggregates)**: only AFR, EUO and CIS report extensive coverage across countries and over time; others report no series (CAR) or are missing data for about half their countries or more (ASI, LAT and WAS), with no improvements over time
- **EXP (main aggregates & categories):** slightly better coverage across countries and over time than DEF-GDP main aggregates, but coverage is still sparse across most regions

Expenditures: GDP and Main Aggregates

GDP	# of Country Submissions					
Region (# of countries)	**'11**	**'12**	**'13**	**'14**	**'15**	**'16**
Africa (50+3-3)	50	50	50	48	38	13
Asia & the Pacific (23-1)	18	18	18	18	19	16
CIS (9-1)	8	8	8	8	8	8
Eurostat-OECD (47+4-1)	49	49	49	49	49	49
Latin America (17+1-2)	15	15	15	15	0	0
The Caribbean (22+1)	16	16	13	12	0	0
Western Asia (12+2-1)	13	13	13	2	2	0

Main Aggregates (7)	# of Complete Country Submissions					
Region (# of countries)	**'11**	**'12**	**'13**	**'14**	**'15**	**'16**
Africa (50+3-3)	45	45	45	44	38	13
Asia & the Pacific (23-1)	6	6	6	6	7	5
CIS (9-1)	8	8	8	8	8	8
Eurostat-OECD (47+4-1)	43	44	45	49	48	47
Latin America (17+1-2)	0	0	0	0	0	0
The Caribbean (22+1)	0	0	0	0	0	0
Western Asia (12+2-1)	12	12	12	1	1	0

Expenditures: HHC Categories & GFCF

Categories under HHC (13)	# of Complete Country Submissions					
Region (# of countries)	'11	'12	'13	'14	'15	'16
Africa (50+3-3)	45	45	45	44	38	13
Asia & the Pacific (23-1)	7	7	7	7	8	5
CIS (9-1)	6	3	3	3	3	2
Eurostat-OECD (47+4-1)	43	43	44	48	47	46
Latin America (17+1-2)	0	0	0	0	0	0
The Caribbean (22+1)	0	0	0	0	0	0
Western Asia (12+2-1)	12	12	12	1	1	0

Categories under GFCF (3)	# of Complete Country Submissions					
Region (# of countries)	'11	'12	'13	'14	'15	'16
Africa (50+3-3)	45	45	45	44	38	13
Asia & the Pacific (23-1)	10	10	10	10	11	8
CIS (9-1)	6	2	2	1	1	1
Eurostat-OECD (47+4-1)	42	42	42	48	48	46
Latin America (17+1-2)	2	2	2	2	0	0
The Caribbean (22+1)	3	3	2	2	0	0
Western Asia (12+2-1)	12	11	11	1	1	0

Deflators: GDP and Main Aggregates

GDP	# of Country Submissions					
Region (# of countries)	'11	'12	'13	'14	'15	'16
Africa (50+3-3)	48	48	47	44	36	8
Asia & the Pacific (23-1)	12	12	12	12	12	12
CIS (9-1)	7	7	7	7	7	7
Eurostat-OECD (47+4-1)	49	49	49	49	49	46
Latin America (17+1-2)	15	15	15	15	0	0
The Caribbean (22+1)	8	8	8	8	0	0
Western Asia (12+2-1)	13	13	13	2	2	0

Main Aggregates (5)	# of Complete Country Submissions					
Region (# of countries)	'11	'12	'13	'14	'15	'16
Africa (50+3-3)	42	42	41	39	35	8
Asia & the Pacific (23-1)	5	5	5	5	5	5
CIS (9-1)	7	7	7	7	7	7
Eurostat-OECD (47+4-1)	39	39	39	38	38	32
Latin America (17+1-2)	0	0	0	0	0	0
The Caribbean (22+1)	1	1	1	1	0	0
Western Asia (12+2-1)	7	7	7	1	1	0

CPIs: General and COICOP-12

General	# of Country Submissions					
Region (# of countries)	**'11**	**'12**	**'13**	**'14**	**'15**	**'16**
Africa (50+3-3)	49	49	49	49	46	13
Asia & the Pacific (23-1)	18	18	18	18	18	16
CIS (9-1)	8	8	8	8	8	8
Eurostat-OECD (47+4-1)	46	46	46	46	45	45
Latin America (17+1-2)	15	15	15	15	0	0
The Caribbean (22+1)	20	21	21	21	0	0
Western Asia (12+2-1)	12	12	12	1	1	1

COICOP-12	# of Complete Country Submissions					
Region (# of countries)	**'11**	**'12**	**'13**	**'14**	**'15**	**'16**
Africa (50+3-3)	42	42	41	41	39	13
Asia & the Pacific (23-1)	13	13	15	15	15	14
CIS (9-1)	3	3	3	3	3	3
Eurostat-OECD (47+4-1)	43	43	43	43	42	42
Latin America (17+1-2)	11	11	11	11	0	0
The Caribbean (22+1)	14	15	15	15	0	0
Western Asia (12+2-1)	12	12	12	1	1	1

CPIs: COICOP-12 (Partial Submissions)

COICOP-12	# of Partial Country Submissions					
Region (# of countries)	'11	'12	'13	'14	'15	'16
Africa (50+3-3)	6	6	7	7	6	0
Asia & the Pacific (23-1)	7	7	6	6	6	5
CIS (9-1)	5	5	5	5	5	5
Eurostat-OECD (47+4-1)	2	2	2	2	2	2
Latin America (17+1-2)	4	4	4	4	0	0
The Caribbean (22+1)	7	7	7	7	0	0
Western Asia (12+2-1)	0	0	0	0	0	0

COICOP-12	# of Countries Without data					
Region (# of countries)	'11	'12	'13	'14	'15	'16
Africa (50+3-3)	2	2	2	2	5	37
Asia & the Pacific (23-1)	2	2	1	1	1	3
CIS (9-1)	0	0	0	0	0	0
Eurostat-OECD (47+4-1)	5	5	5	5	6	6
Latin America (17+1-2)	1	1	1	1	16	16
The Caribbean (22+1)	2	1	1	1	23	23
Western Asia (12+2-1)	1	1	1	12	12	12

Extrapolation Data: Reporting & Other Issues

REPORTING ISSUES

- COICOP series reported, but not General series (CPI)
- Chained series reported; we require fixed-based series (CPI and DEF)
- Scale of unit inconsistent or reported incorrectly (EXP and POP)
- Statistical discrepancy reported (EXP)
- Fiscal year data reported (EXP and CPI)
- Different currencies used in different submissions (EXP and XR)
- Data reported using a non-ICP classification (EXP and CPI)
- Metadata incomplete or missing (DEF)

COVERAGE & DATA QUALITY ISSUES

- Sparse coverage of detailed time-series data (EXP and DEF)
- Lower aggregates not adding up to higher aggregate (EXP)
- Possible breaks in series (DEF and CPI)

Extrapolation Data: Looking ahead (1)

SUBMISSION SCHEDULE AND FORMS

- Inputs twice a year; before each IACG meeting
  - official submission = submission from RIA to WB GIU
- Please use the required forms and report metadata
  - clears possible misunderstandings
  - minimizes adjustments at WB GIU
- Forms will be expanded to allow reporting of more detailed data

Extrapolation Data: Looking ahead (2)

ICP TASK FORCES

1. World Bank ICP GIA, IMF and UN will assess and validate extrapolation database compiled by World Bank ICP GIA

2. TF1 will build PPP time series for the interim period; TF3 will provide country guidelines for rolling price survey approach

- RIA submitted extrapolation data will be used. If not available; however, alternative sources will be used to augment and fill gaps in the database

- RIAs may be asked about country data and country practices, as well as regional validation procedures (if any)

Questions for RIAs: regional practices

- How and how often do you collect extrapolation data from countries?
  - Country correspondence before IACG?
  - NSO site or RIA database?
  - Public country-reported int'l databases, e.g. IMF STA, UNSD?
  - Private int'l databases, e.g. CEIC, Haver, etc.?
- Do you run any checks or do any validation prior to submitting data to the World Bank GIU?
- Possible to benefit from country submissions to public international databases or statistical yearbooks?

THANK YOU